ABSTRACT OF THE DISCLOSURE

In a mobile phone as an information output device, when a mail application is executed to open an in-box, a mail file in a mail retention region is read. If there exists an unprocessed mail, pre-read processing for creating a thumbnail of an attachment file prior to a mail opening operation from the user is executed for a mail in a prescribed range before and after the mail presently pointed to and selected by the cursor. The thumbnail created in advance is retained in a thumbnail retention region. Then, when a mail opening operation is performed by the user, the thumbnail created beforehand for the attachment file of the mail is displayed.